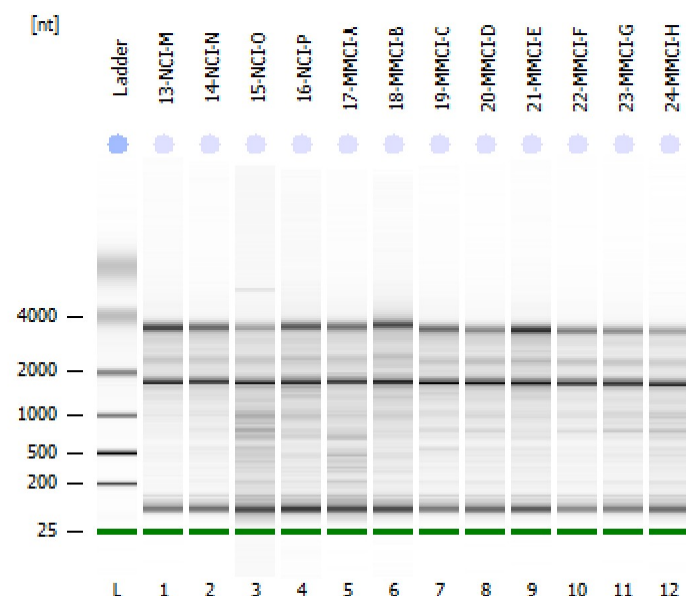


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE54700884  
Serial#: DE54700884

Firmware: C.01.069  
Type: G2939A

#### Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

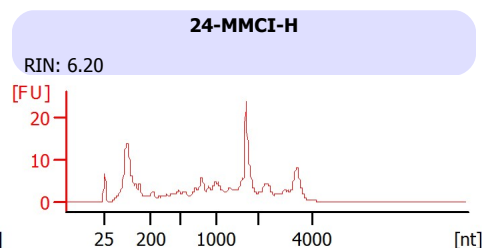
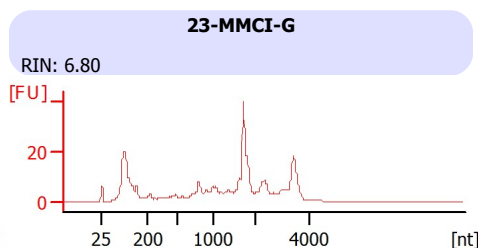
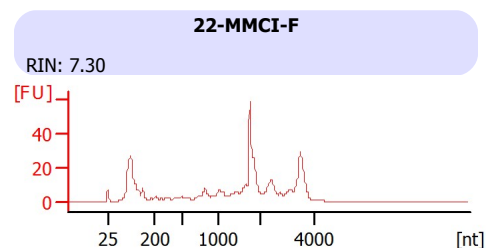
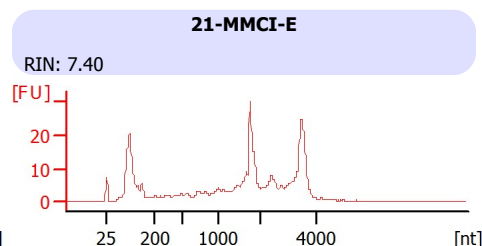
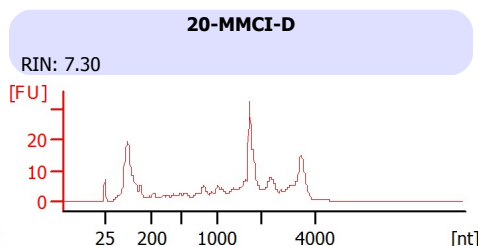
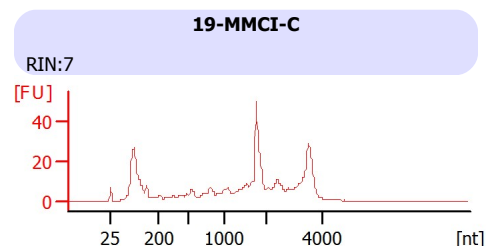
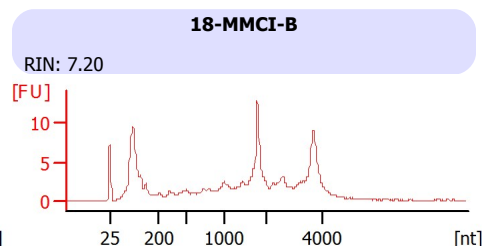
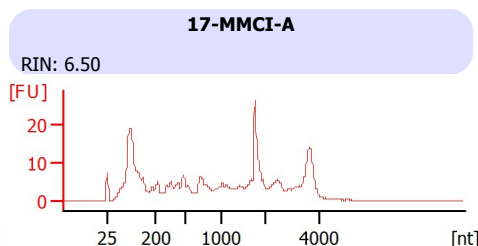
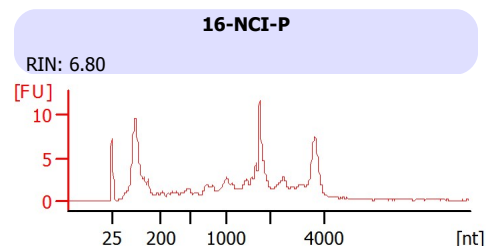
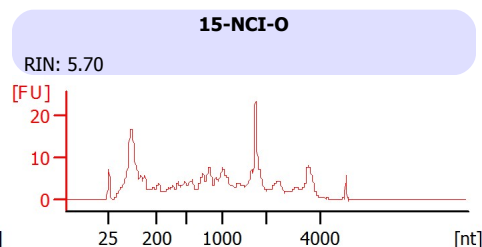
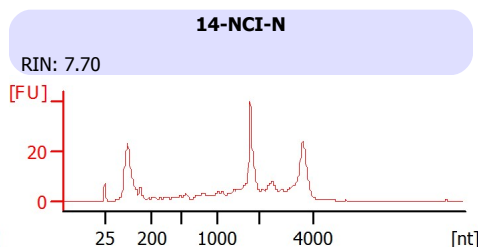
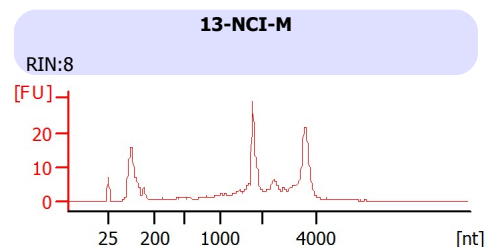
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#### Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
13-NCI-M		✓	RIN:8	
14-NCI-N		✓	RIN: 7.70	
15-NCI-O		✓	RIN: 5.70	
16-NCI-P		✓	RIN: 6.80	
17-MMCI-A		✓	RIN: 6.50	
18-MMCI-B		✓	RIN: 7.20	
19-MMCI-C		✓	RIN:7	
20-MMCI-D		✓	RIN: 7.30	
21-MMCI-E		✓	RIN: 7.40	
22-MMCI-F		✓	RIN: 7.30	
23-MMCI-G		✓	RIN: 6.80	
24-MMCI-H		✓	RIN: 6.20	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : .6  
Height Threshold [FU] : .5  
Area Threshold : .2  
Width Threshold [s] : .5  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : .5  
Polynomial Order : 4

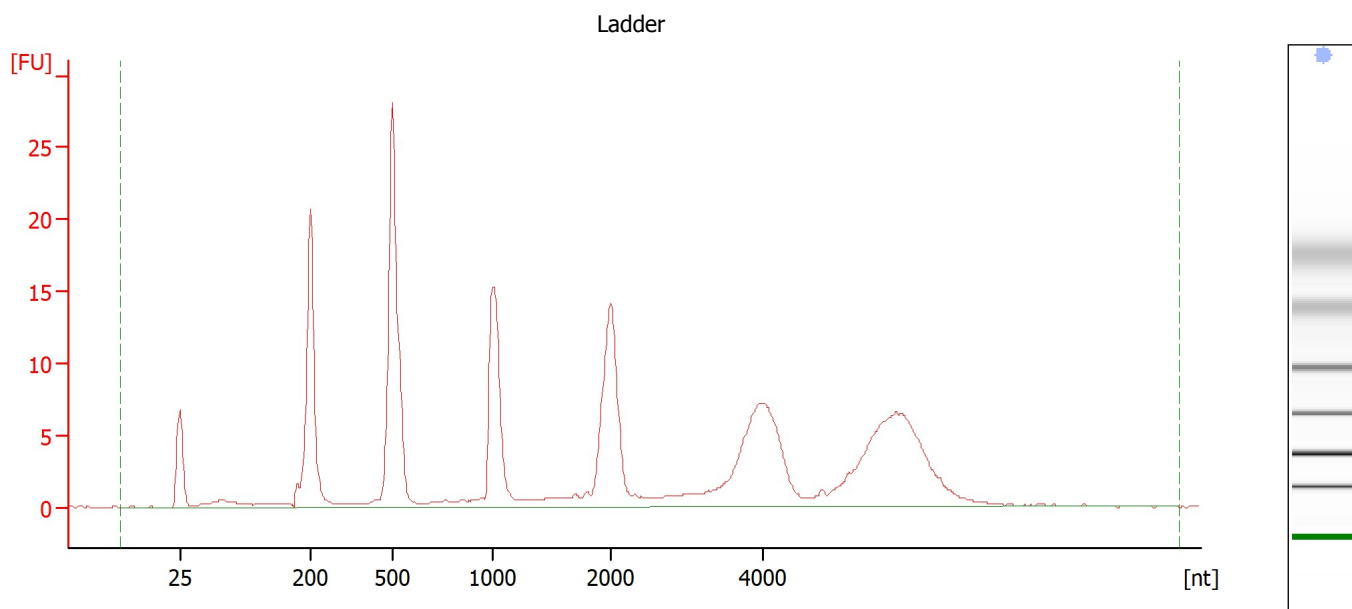
### Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

### Electropherogram Summary



### Overall Results for Ladder

RNA Area: 225.6

Result Flagging Color:



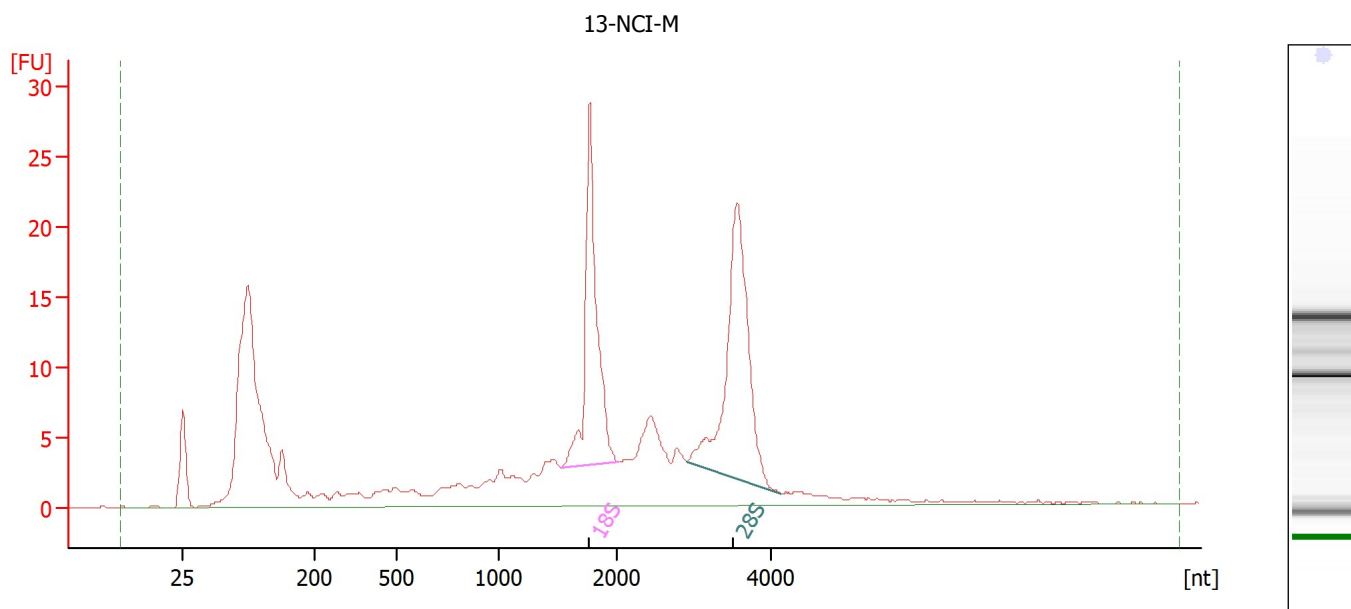
RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 1 : 13-NCI-M**

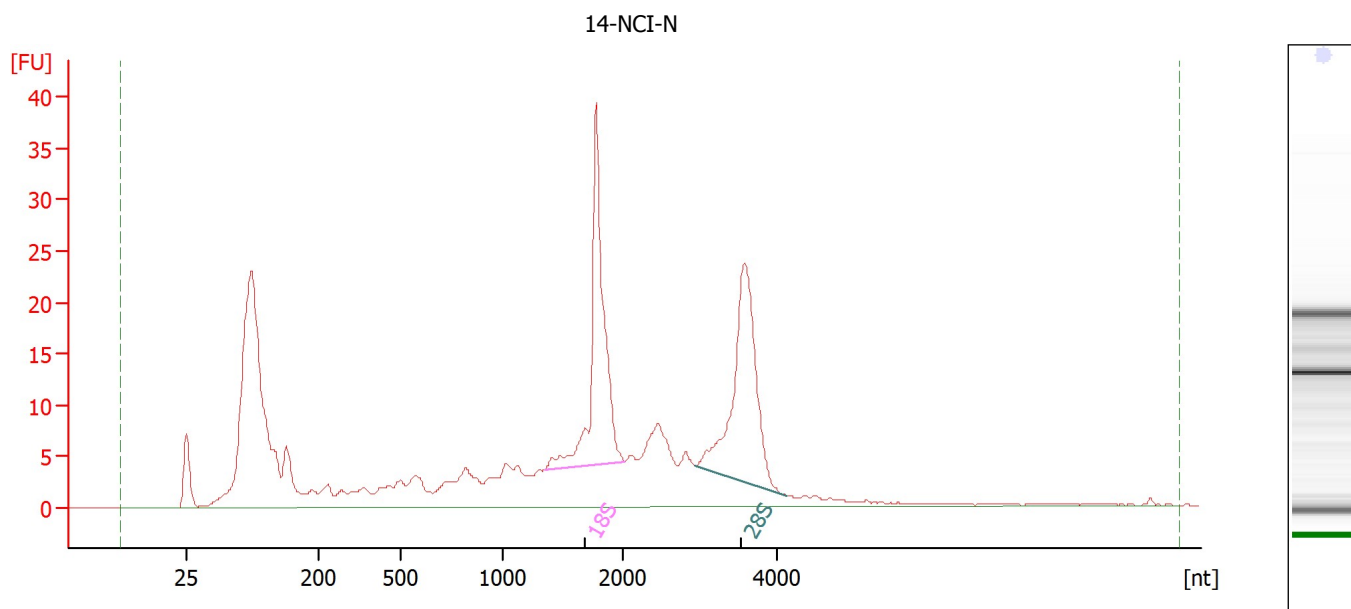
RNA Area:	284.9	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	189 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.3	Result Flagging Label:	RIN:8

**Fragment table for sample 1 : 13-NCI-M**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,528	2,017	36.9	13.0
28S	2,899	4,130	48.1	16.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 2 : 14-NCI-N**

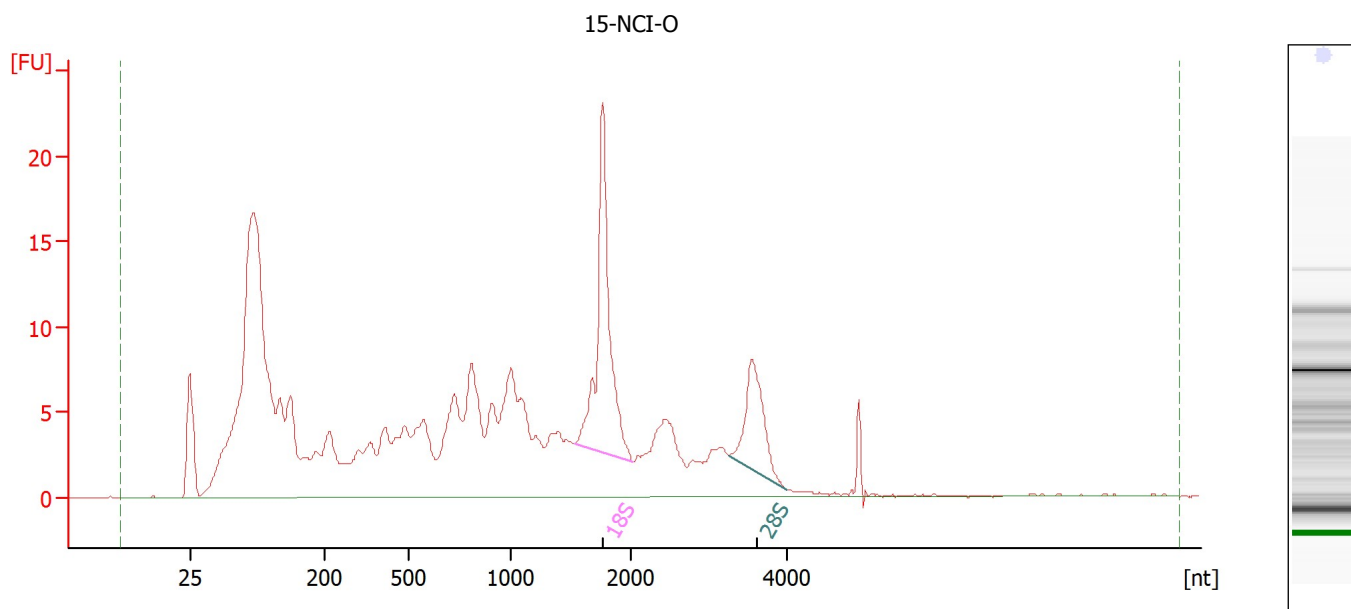
RNA Area:	407.3	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	271 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.0	Result Flagging Label:	RIN: 7.70

**Fragment table for sample 2 : 14-NCI-N**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,347	2,021	53.7	13.2
28S	2,938	4,133	53.5	13.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 3 : 15-NCI-O**

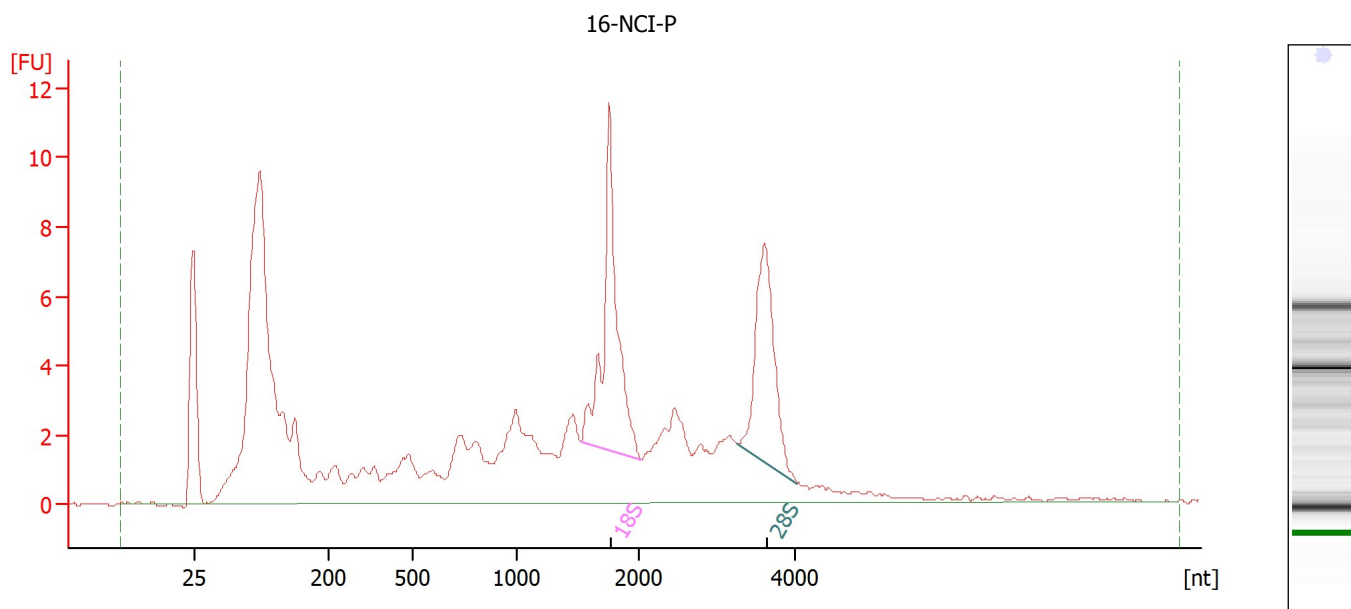
RNA Area:	348.3	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	232 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 5.70

**Fragment table for sample 3 : 15-NCI-O**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,523	2,026	29.9	8.6
28S	3,252	3,996	12.6	3.6

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 4 : 16-NCI-P**

RNA Area:	162.6	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	108 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.8	Result Flagging Label:	RIN: 6.80

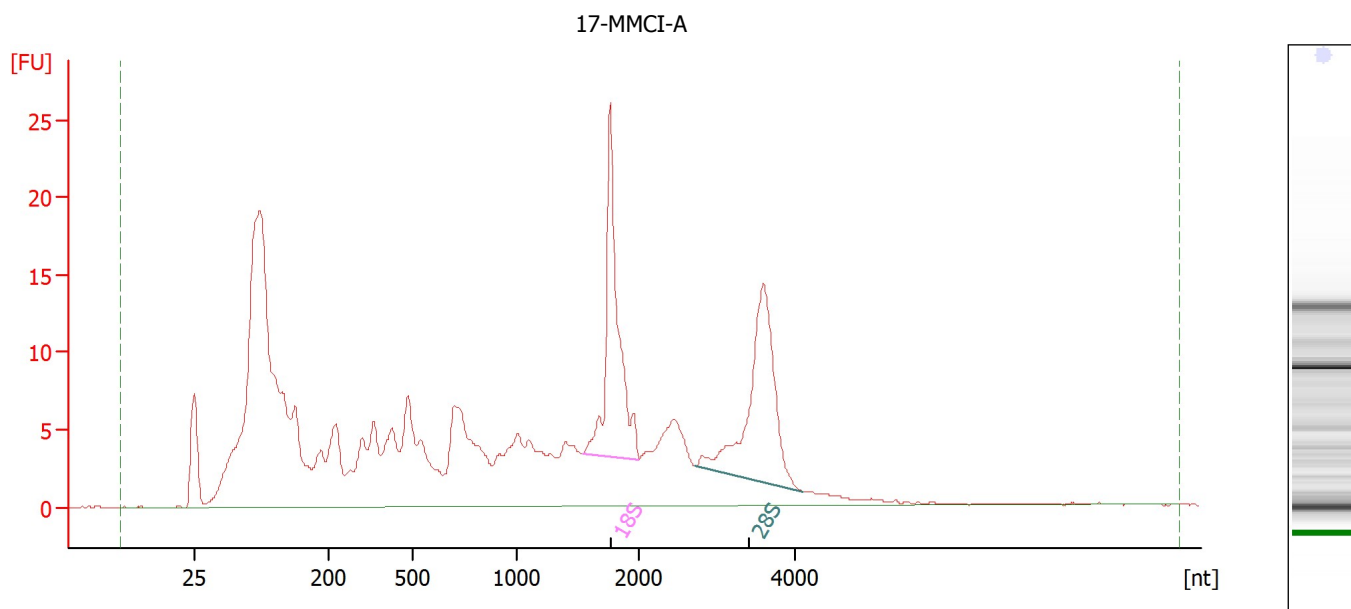
**Fragment table for sample 4 : 16-NCI-P**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	2,043	17.0	10.5
28S	3,275	4,041	12.8	7.9



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 5 : 17-MMCI-A**

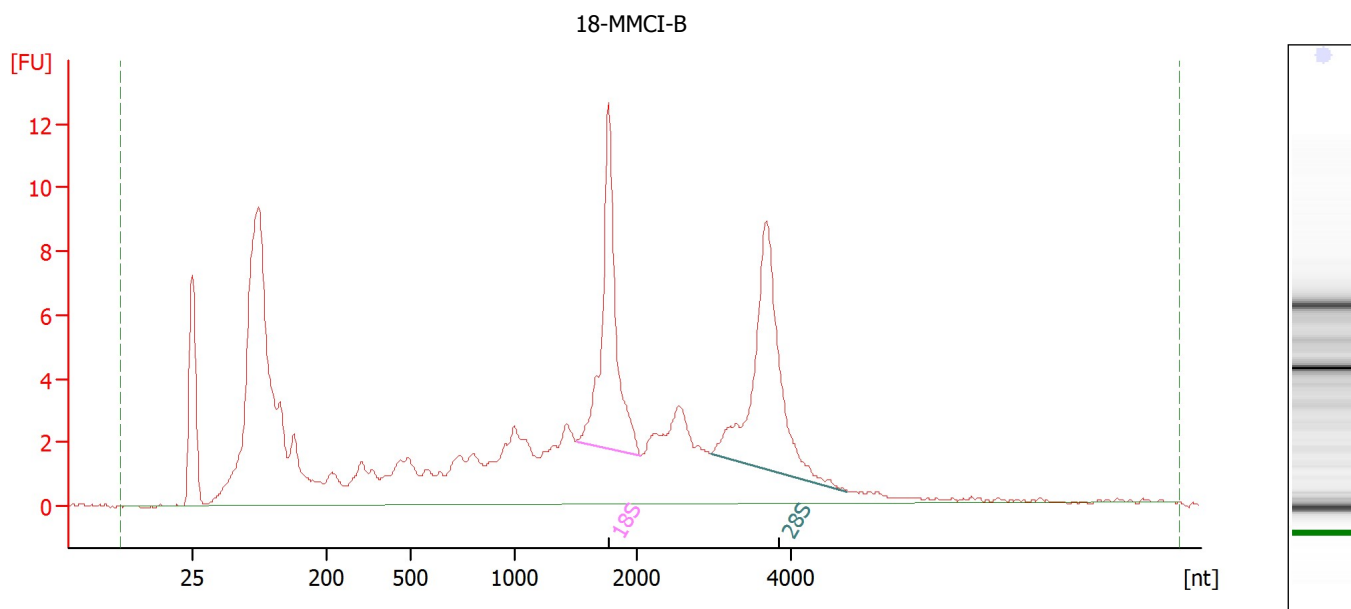
RNA Area:	400.4	RNA Integrity Number (RIN):	6.5 (B.02.08)
RNA Concentration:	266 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	1.1	Result Flagging Label:	RIN: 6.50

**Fragment table for sample 5 : 17-MMCI-A**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	2,016	33.9	8.5
28S	2,741	4,123	35.7	8.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 6 : 18-MMCI-B**

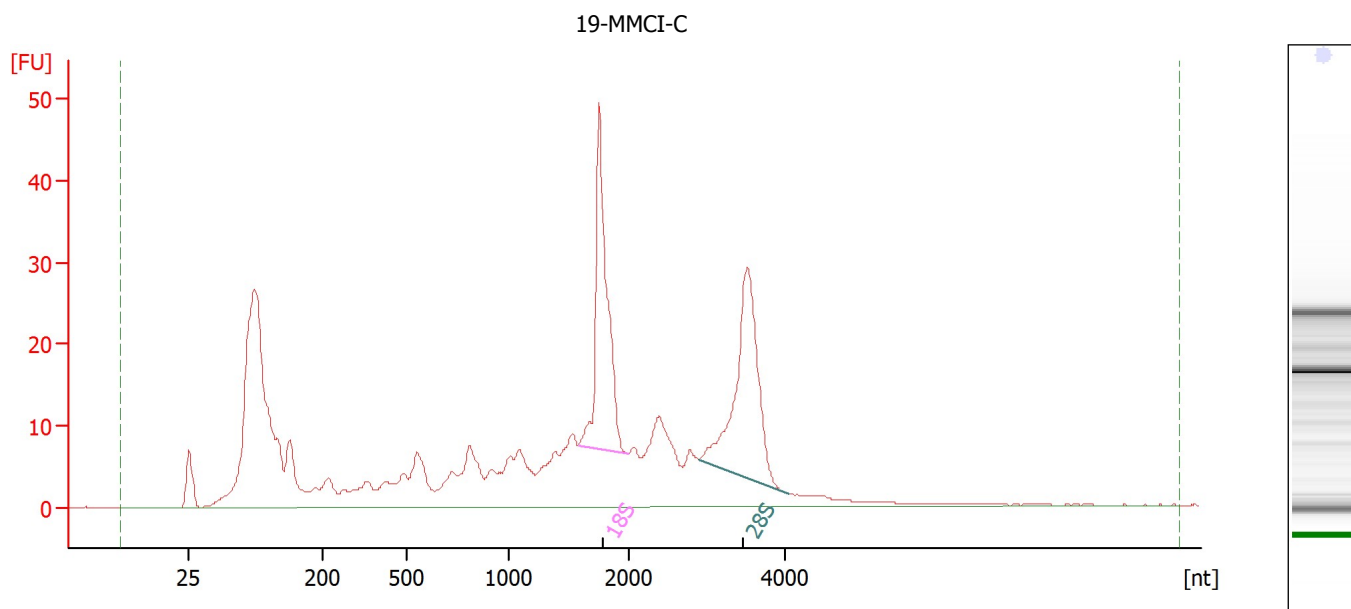
RNA Area:	181.5	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	121 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

**Fragment table for sample 6 : 18-MMCI-B**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,509	2,056	18.4	10.1
28S	2,961	4,716	21.7	11.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 7 : 19-MMCI-C**

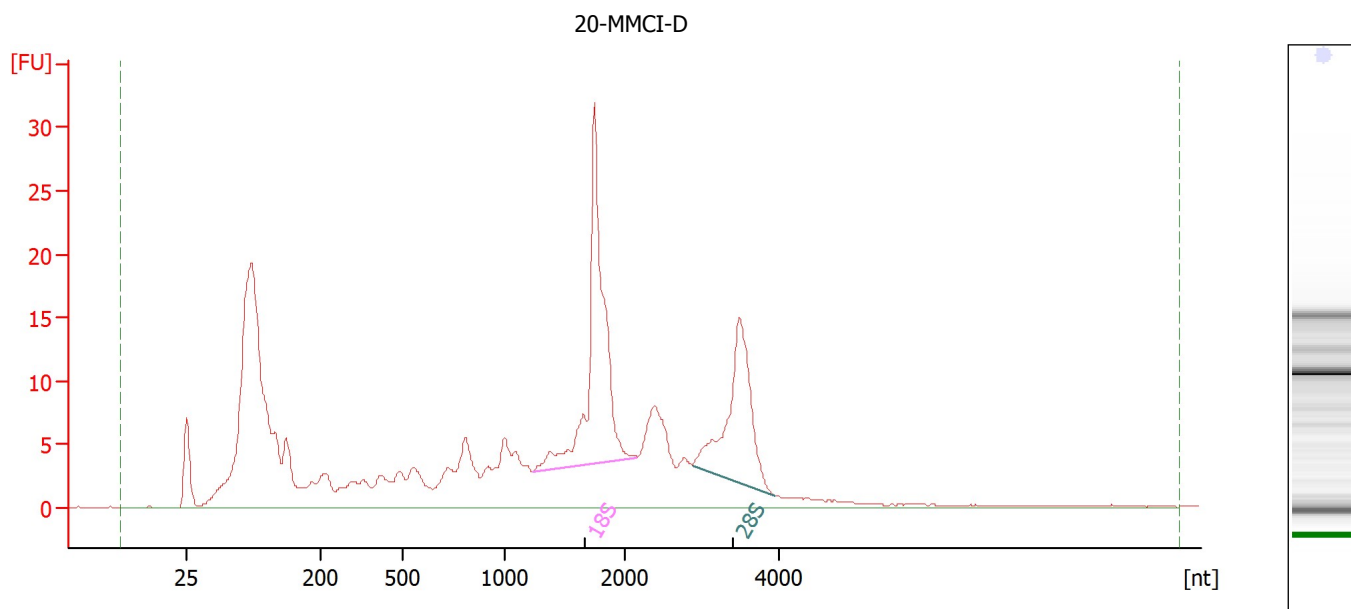
RNA Area:	553.9	RNA Integrity Number (RIN):	7 (B.02.08)
RNA Concentration:	368 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN:7

**Fragment table for sample 7 : 19-MMCI-C**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	1,989	59.0	10.7
28S	2,881	4,054	63.3	11.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 8 : 20-MMCI-D**

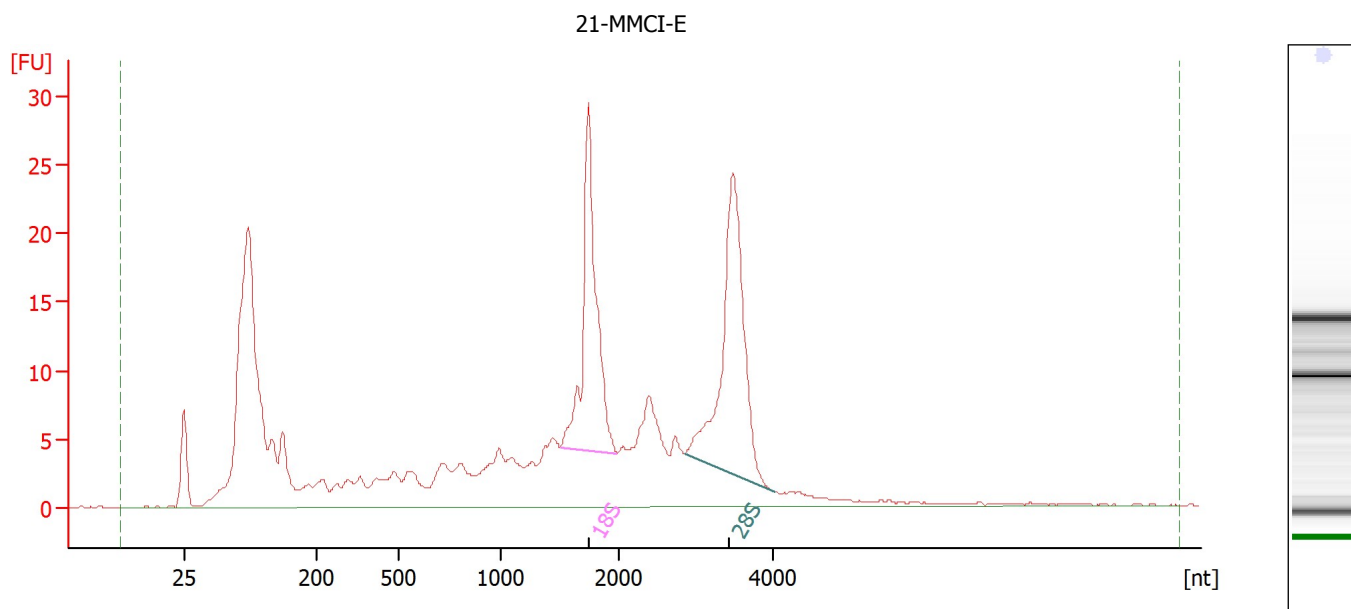
RNA Area:	373.8	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	249 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28S / 18S]:	0.6	Result Flagging Label:	RIN: 7.30

**Fragment table for sample 8 : 20-MMCI-D**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,234	2,147	52.9	14.1
28S	2,868	3,936	33.4	8.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 9 : 21-MMCI-E**

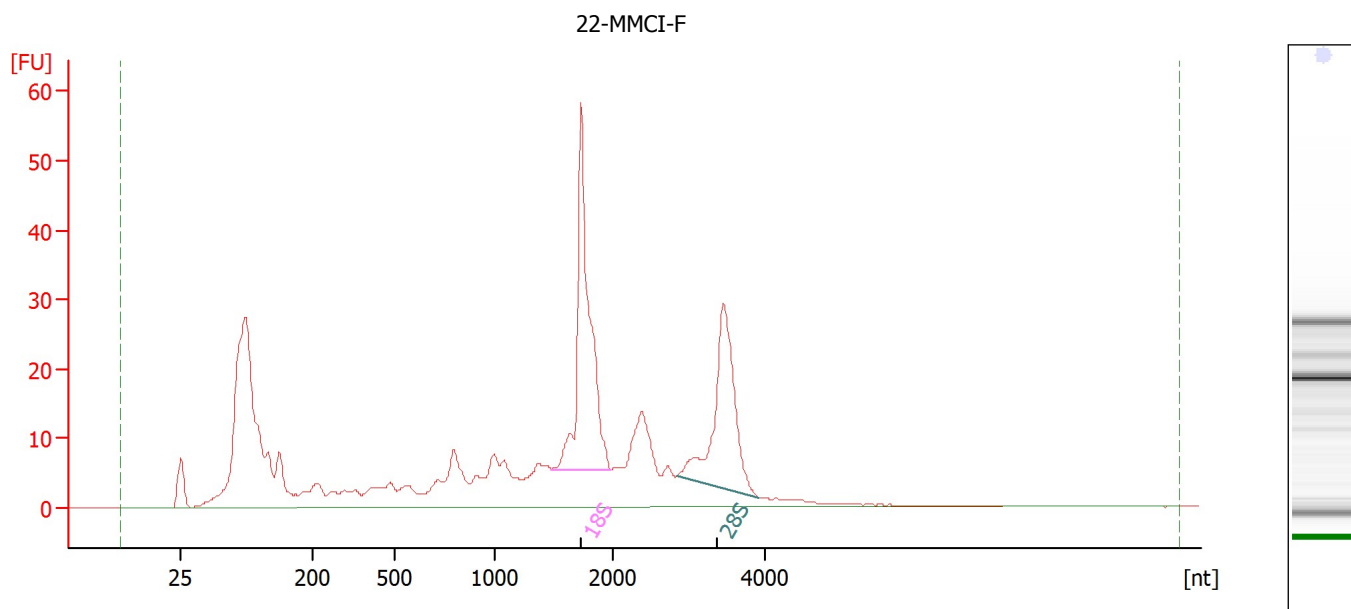
RNA Area:	376.7	RNA Integrity Number (RIN):	7.4 (B.02.08)
RNA Concentration:	251 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28S / 18S]:	1.3	Result Flagging Label:	RIN: 7.40

**Fragment table for sample 9 : 21-MMCI-E**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,503	1,985	41.6	11.0
28S	2,842	4,029	53.1	14.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 10 : 22-MMCI-F**

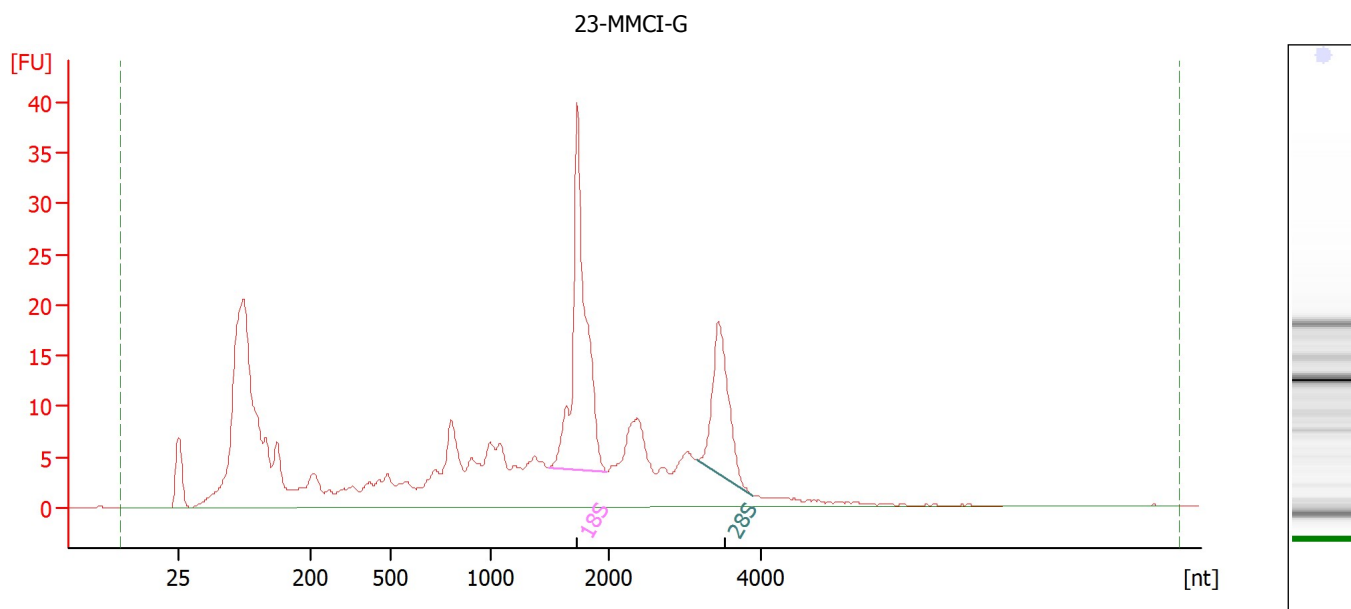
RNA Area:	539.3	RNA Integrity Number (RIN):	7.3 (B.02.08)
RNA Concentration:	359 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 7.30

**Fragment table for sample 10 : 22-MMCI-F**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,479	1,982	82.2	15.2
28S	2,830	3,912	61.6	11.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 11 : 23-MMCI-G**

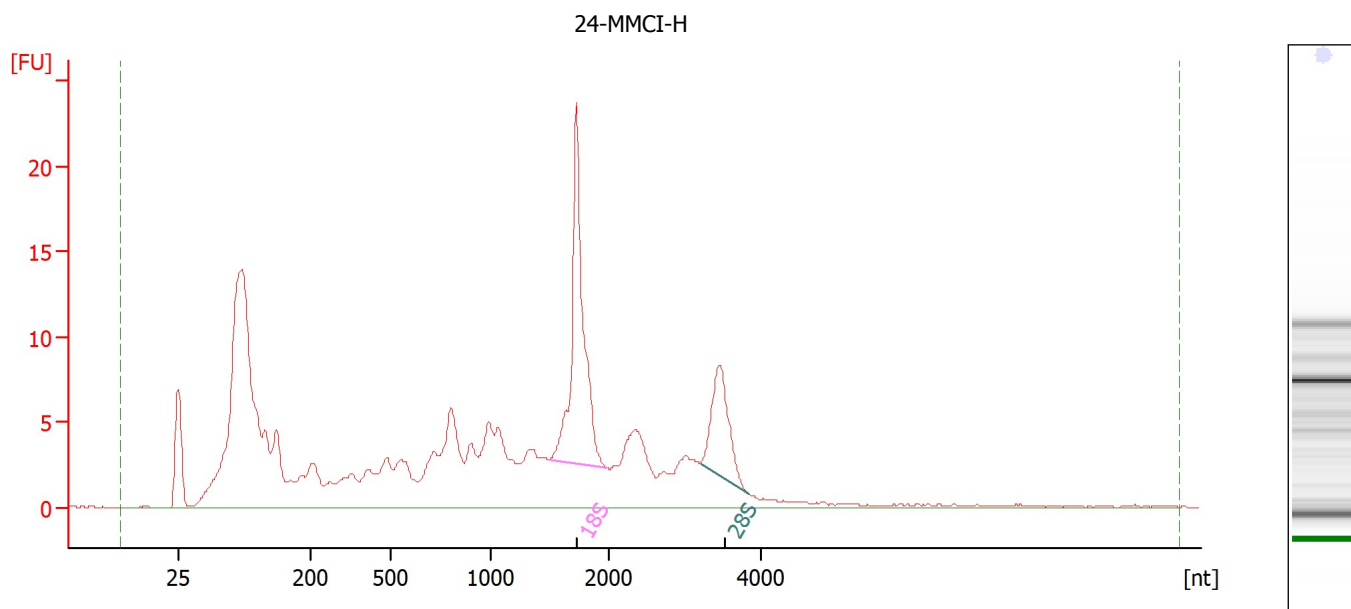
RNA Area:	413.6	RNA Integrity Number (RIN):	6.8 (B.02.08)
RNA Concentration:	275 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 6.80

**Fragment table for sample 11 : 23-MMCI-G**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,484	1,972	60.2	14.6
28S	3,156	3,890	27.6	6.7

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Electropherogram Summary Continued ...****Overall Results for sample 12 : 24-MMCI-H**

RNA Area:	277.8	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	185 ng/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 6.20

**Fragment table for sample 12 : 24-MMCI-H**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,493	1,981	31.2	11.2
28S	3,198	3,833	12.9	4.7



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE54700884\_2023-05-16\_14-57-29.xad

Created: 16/05/2023 14:57:28  
Modified: 16/05/2023 15:20:35

**Gel Image**